

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS
FOR APPLICANT'S INFORMATION
DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

GRAT.01USU1 (S-041,101)

SERIAL NO.

09/834,308

APPLICANT

Gratings, Incorporated (Saleem Zaidi)

FILING DATE 4/11/01

GROUP 1722-1753

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NOV 4 2002
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REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

BLM	AAA	Bean, K., "Anisotropic etching of silicon," IEEE, Vol. ED-25, no. 10, October, 1978, pgs. 1185-1192.
BLM	BBB	Malag, A., "Simple interference method of diffraction grating generation for integrated optics by the use of a fresnel mirror," Optics Communications, Vol. 32, No.1, January 1980, pgs. 54-58.
BLM	CCC	Douglas, E., "A study of the factors which control the efficiency of Ion-implanted silicon solar cells," IEEE, Vol. ED-27, No.4, April 19, 1980, pgs. 792-801.
BLM	DDD	Pang, S.W., Rathman, D.D., Silversmith, D. J., Mountain, R.W., DeGraff, P.D., "Damage induced in Si by ion milling or reactive ion etching," Journal of Applied Physics, Vol 54, No.6, June 1983, pgs. 3272-3277.
BLM	EEE	Sheng, P., Bloch, A.N., Stepleman, R.S., "Wavelength-selective absorption enhancement in thin-film solar cells," Applied Physics Letter, Vol 43, No.6, September 15, 1983, pgs. 579-581.
BLM	FFF	Gaylord, T., Baird, W.E., Moharam, M.G., "Zero-reflectivity high spatial-frequency rectangular-groove dielectric surface-relief gratings," Applied Optics, Vol. 25, No.24, December 15, 1986, pgs. 4562-4567.
BLM	GGG	Campbell, P., Green, M. A., "Light trapping properties of pyramidically textured surfaces," Journal of Applied Physics, Vol. 62, No.1 July 1, 1987, pgs. 243-249.
BLM	HHH	Zaidi, S. H., Brueck, S.R., "High aspect-ratio holographic photoresist gratings," Applied Optics, Vol. 27, No. 14, July 15, 1988, pgs. 2999-3002.
BLM	III	Mishima, H., Yasui, T., Mizuniwa, T., Abe, M., Ohmi, T., "Particle free-wafer cleaning and drying technology," IEEE, Vol. 2, No. 3, August 1989, pgs. 69-75.
BLM	JJJ	Kopalidis, P.M., Jorne, J., "Langmuir probe measurements and characterization of silicon etching in SF6/O2 discharges," Journal of Electrochemical Society, Vol. 139, No. 3, March 1992, pgs. 839-843.
BLM	KKK	Raguin, D.H., Morris, G.M., "Antireflection structured surfaces for the infrared spectral region," Applied Optics, Vol. 32, No.7, March 1, 1993, pgs. 1154-1167.
BLM	LLL	Heine, C., Morf, R.H., "Submicrometer gratings for solar energy applications," Applied Optics, Vol. 34, No.14, May 10, 1995, pgs. 2476-2482.

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MMM	Zaidi, S., [redacted], A., Brueck, S.R.J., "Optical properties of [redacted] one-dimensional silicon grating structures," <u>Journal of Applied Physics</u> , Vol. 80, No. 12, December 15, 1996, pgs. 6997-7008.
NNN	Shirasawa, K., Fukui, K., Okada, K., Inomata, Y., Takahashi, H., Fukawa, Y., Fujii, S., "Over 17% large area multicrystalline silicon solar cells," <u>14th European Photovoltaic Solar Energy Conference</u> , June 30 0 July 4, 1997, Barcelona, Spain, pgs. 384-387.
OOO	Ruby, D.S., Zaidi, S.H., Narayanan, S., "Plasma-texturization for multicrystalline silicon solar cells," Sandia National Laboratories, Albuquerque, NM, Gratings Inc., Albuquerque, NM, BP Solar, Fredrick, MD 1998, pgs. 75-78.
PPP	Lalanne, P., Astilean, S., Chavel, P., "Blazed binary subwavelength gratings with efficiencies larger than those of conventional echelette gratings," <u>Optical Society of America</u> , 1998, pgs. 1081-1083.
QQQ	Astilean, S., Lalanne, P., Chavel, P., "High-efficiency subwavelength diffractive element patterned in a high-refractive-index material for 633 nm," <u>Optical Society of America</u> , 1998, pgs. 552-554.
RRR	Goeckner, M.J., Felch, S.B., Fang, Z., Lenoble, D., Galvier, J., Grouillet, A., Yeap, G., C., Bang, D., Lin, M., "Plasma doping for shallow junctions," <u>Journal of American Vacuum Science and Technology</u> , Vol. B 17, No. 5, September/October 1999, pgs. 2290-2293.
SSS	Mizuno, S., Kazushi, Y., Tayanaka, H., Matsushita, T., "High efficiency solar cells enhanced with diffraction grating," <u>Technical Digest of the International PVSEC-11</u> , Sapporo, Hokkaido, Japan, 1999, pgs. 341-342.
TTT	Zaidi, S. H., Gee, J.M., Ruby, D.S., "Diffraction grating structures in solar cells," <u>IEEE</u> , 2000, pgs. 395-398.
EXAMINER	DATE CONSIDERED <i>Brian L. Muehle</i> 7/1/2003

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Supplementary Paper

APPLICANT

Gratings, Incorporated (Saleem Zaidi)

FILING DATE 4/11/01

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						YES	NO

OTHER REFERENCES¹(including Author, Title, Date, Pertinent Pages, etc.)

BIM	AAA	Kemme, S.A., Zaidi, S.H., Gee, J.M., "Submicron diffractive gratings for thin film solar cell applications," Sandia National Laboratories, Photonics Research, presented at the 9 th NREL Workshop on Crystalline-Silicon Photovoltaics, Breckenridge, CO.
EXAMINER		DATE CONSIDERED Erin L. Markel 7/11/2003

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